

Data File : VU036952.D
Acq On : 27 Feb 2020 18:50
Operator : JC/MD
Sample : L1686-01ME
Misc : 7.05g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAW00ME

Quant Time: Feb 27 22:05:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 22:00:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	255963	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106301	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70500	32.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.60%
7) Chloroethane-d5	1.89	69	26345	14.81	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	29.62%#
11) 1,1-Dichloroethene-d2	2.56	63	100439	27.90	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.80%#
21) 2-Butanone-d5	4.68	46	138153	95.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	5.10	84	140551	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.74	65	102653	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
32) Benzene-d6	5.75	84	314387	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
36) 1,2-Dichloropropane-d6	6.72	67	106470	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.06%
41) Toluene-d8	7.92	98	284566	42.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.92%
43) trans-1,3-Dichloropropene-	8.20	79	45269	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.22%
47) 2-Hexanone-d5	8.67	63	118891	105.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	166061	50.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.84%
64) 1,2-Dichlorobenzene-d4	12.21	152	96284	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

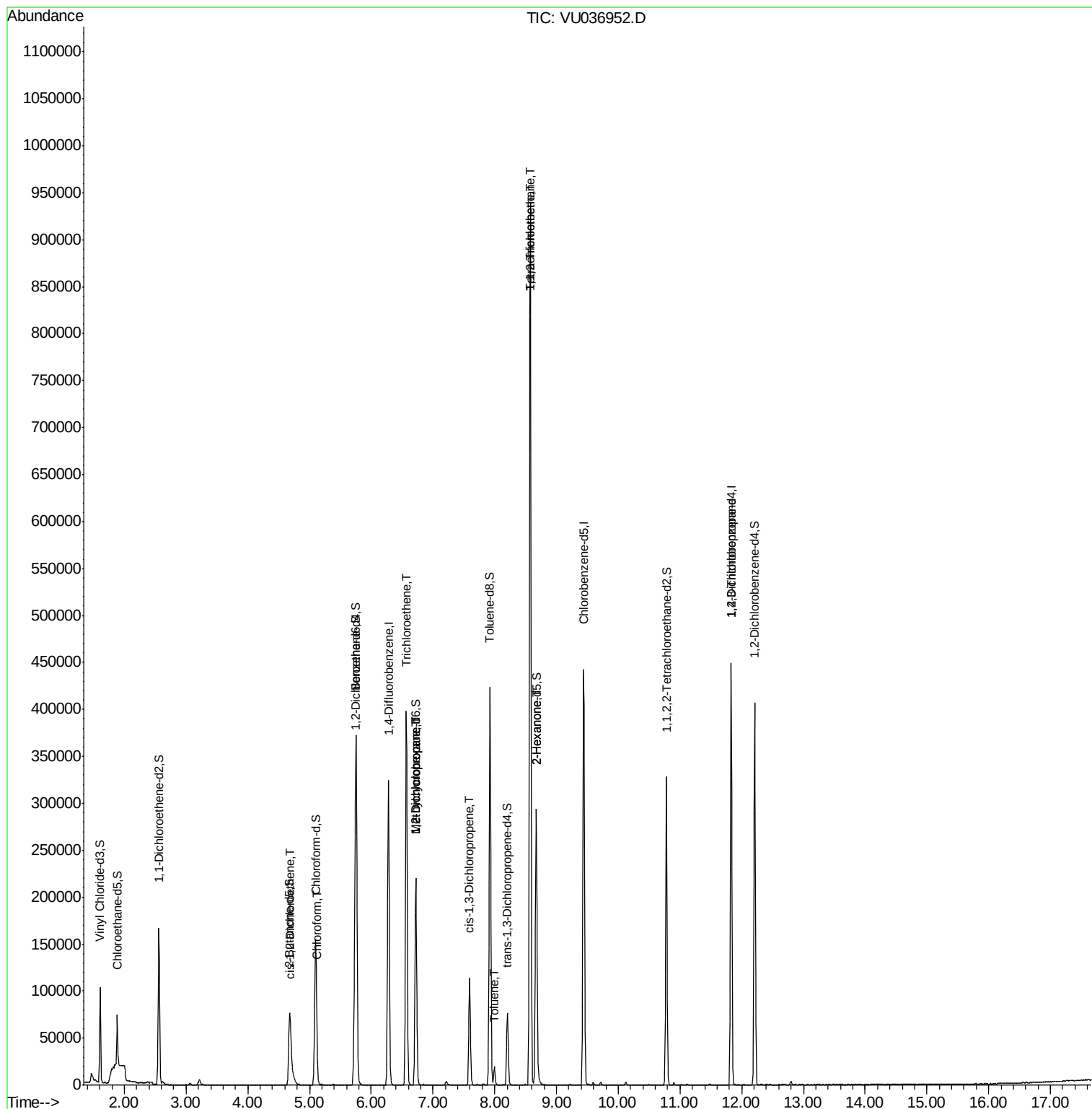
						Qvalue
20) cis-1,2-Dichloroethene	4.70	96	1815	0.914	ug/L	99
25) Chloroform	5.12	83	3110	0.934	ug/L	94
34) Trichloroethene	6.57	95	134852	70.344	ug/L	98
35) Methylcyclohexane	6.72	83	22774	6.852	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	11273	5.368	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2793	0.863	ug/L #	63
42) Toluene	7.99	91	13783	1.659	ug/L	100
45) 1,1,2-Trichloroethane	8.57	97	1958	1.048	ug/L #	1
46) Tetrachloroethene	8.57	164	189921	150.386	ug/L	98
48) 2-Hexanone	8.67	43	13734	5.562	ug/L #	68
59) 1,2,3-Trichloropropane	11.83	75	16167	5.984	ug/L	93

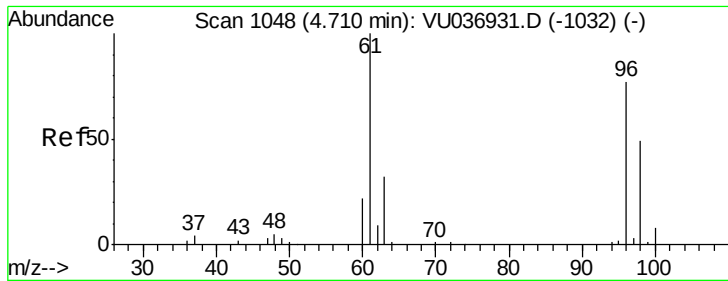
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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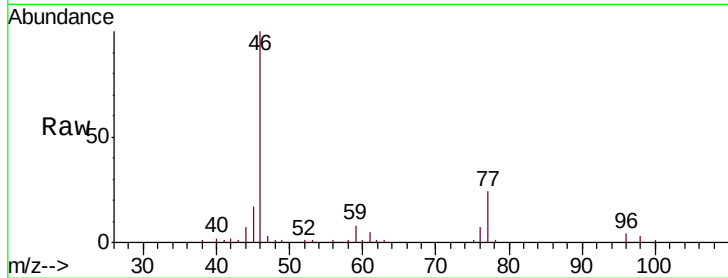




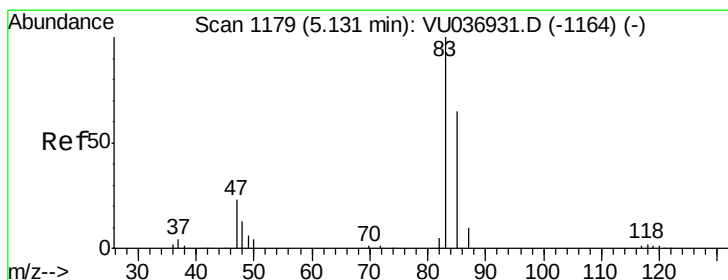
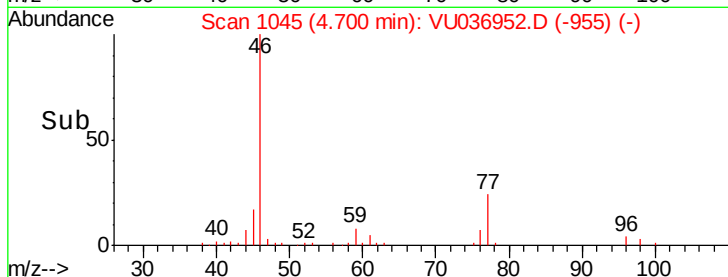
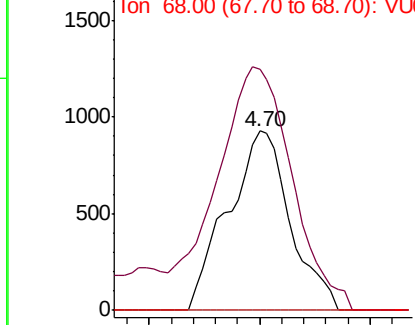
#20
 cis-1,2-Dichloroethene
 Concen: 0.914 ug/L
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: VU036952.D
 Acq: 27 Feb 2020 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GAW00ME

Tgt Ion: 96 Resp: 1815
 Ion Ratio Lower Upper
 96 100
 61 134.7 93.1 172.9
 68 0.0 0.0 0.0

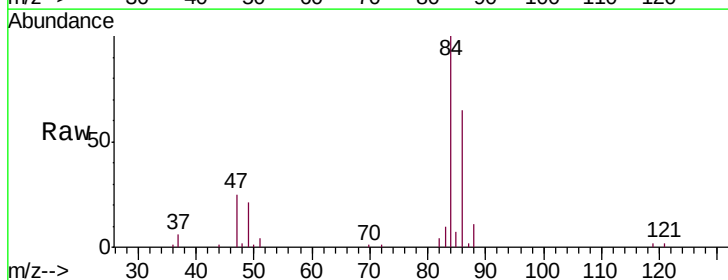


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

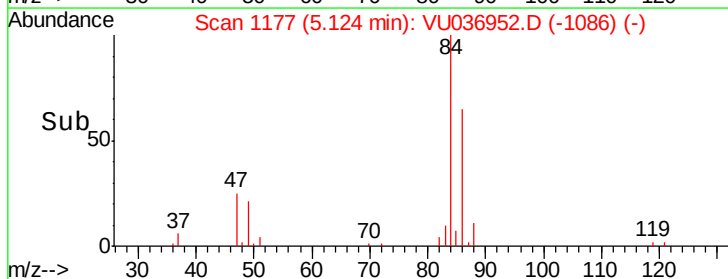
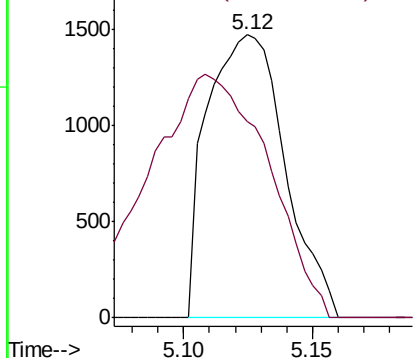


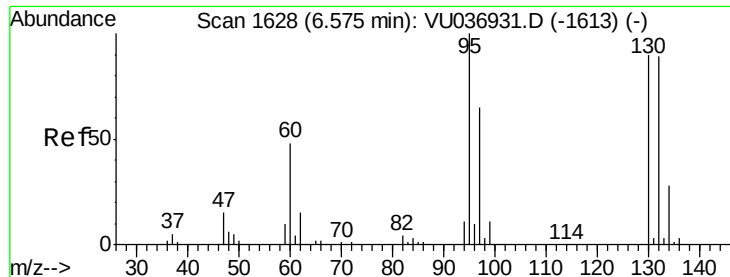
#25
 Chloroform
 Concen: 0.934 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VU036952.D
 Acq: 27 Feb 2020 18:50

Tgt Ion: 83 Resp: 3110
 Ion Ratio Lower Upper
 83 100
 85 69.3 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 70.344 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

GAW00ME

Tgt Ion: 95 Resp: 134852

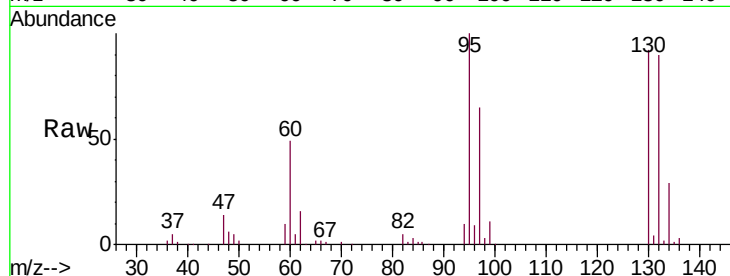
Ion Ratio Lower Upper

95 100

97 64.5 44.1 81.9

132 90.4 60.6 112.6

130 91.9 64.9 120.5

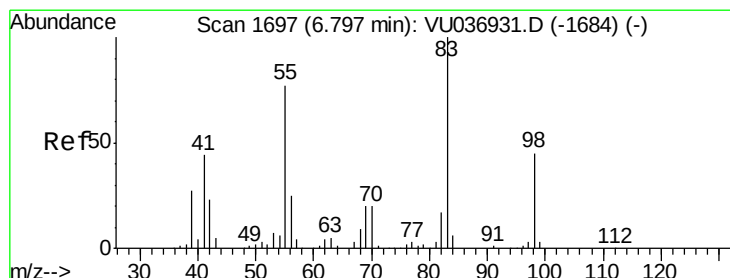
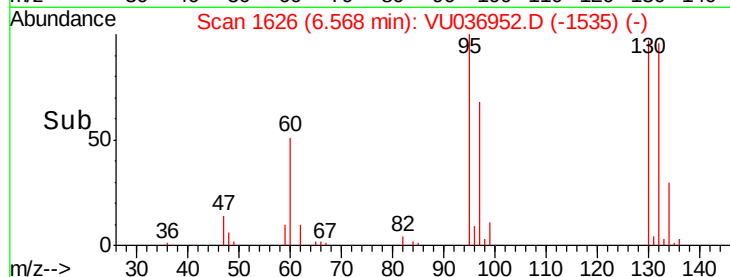
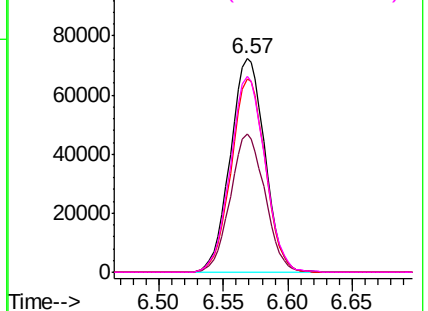


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 6.852 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.08 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

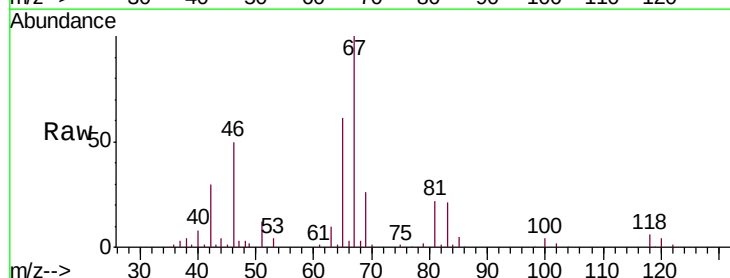
Tgt Ion: 83 Resp: 22774

Ion Ratio Lower Upper

83 100

55 0.2 62.6 93.8#

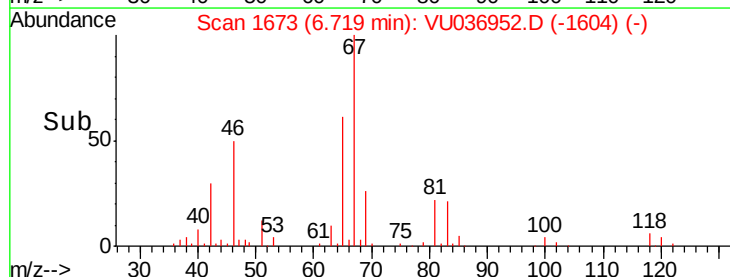
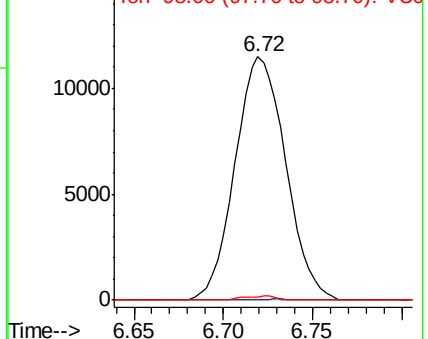
98 1.0 35.1 52.7#

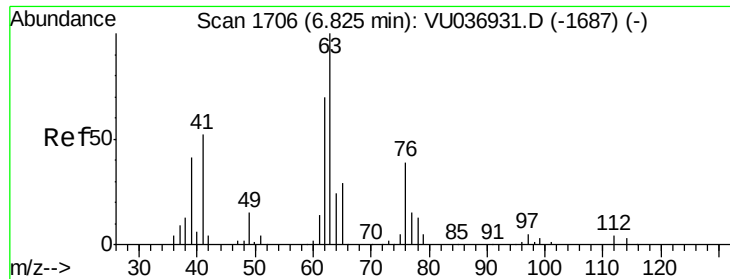


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

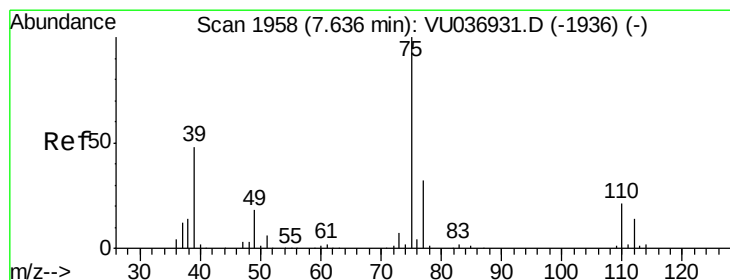
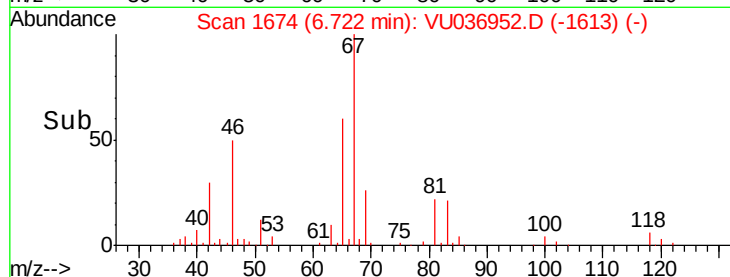
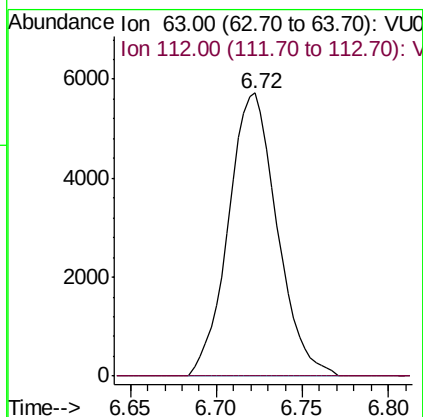
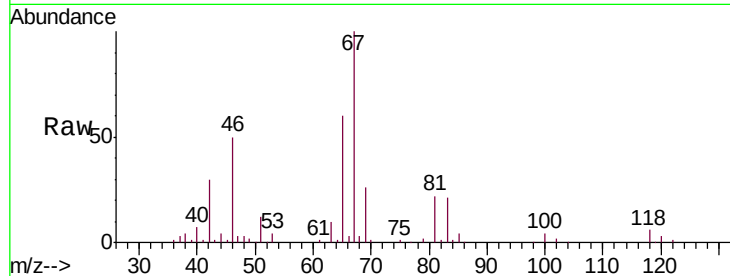




#37
 1,2-Dichloropropane
 Concen: 5.368 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU036952.D
 Acq: 27 Feb 2020 18:50

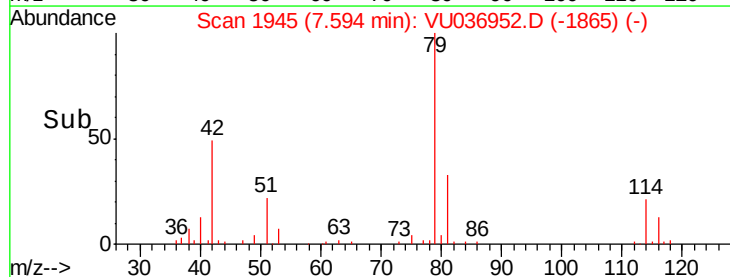
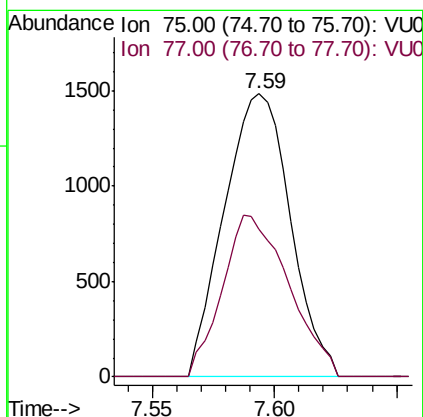
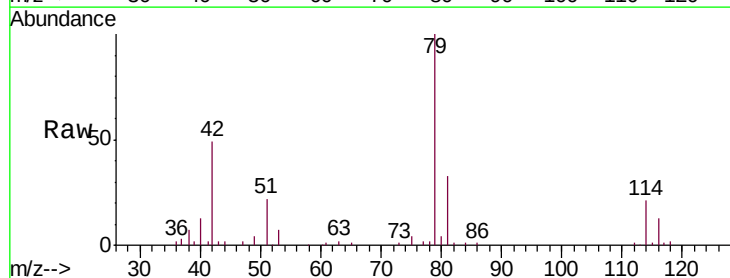
Instrument :
 MSVOA_U
 ClientSampleId :
 GAW00ME

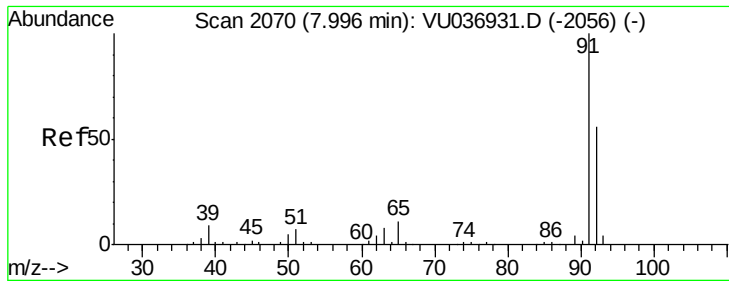
Tgt Ion: 63 Resp: 11273
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.863 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU036952.D
 Acq: 27 Feb 2020 18:50

Tgt Ion: 75 Resp: 2793
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.0 41.0#





#42

Toluene

Concen: 1.659 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

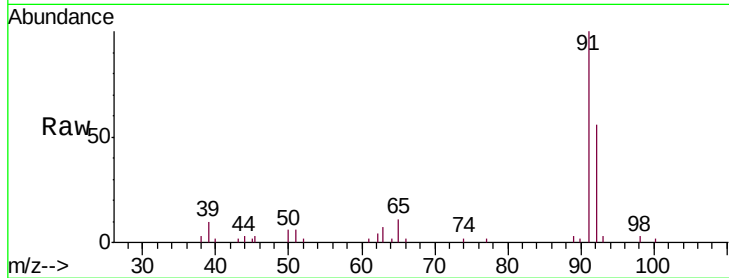
GAW00ME

Tgt Ion: 91 Resp: 13783

Ion Ratio Lower Upper

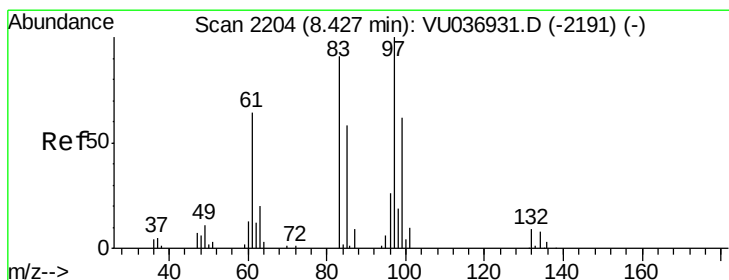
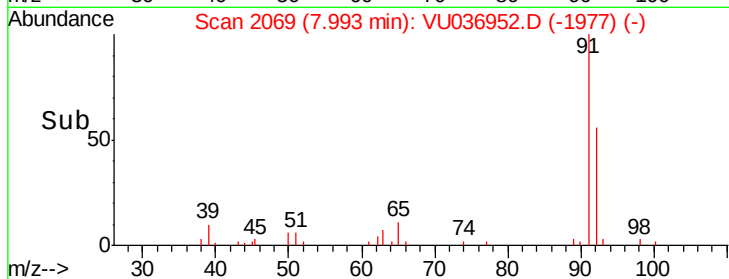
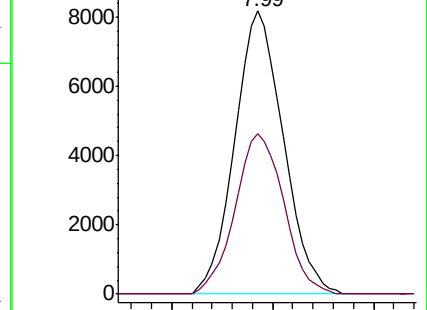
91 100

92 56.5 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036931.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036931.D (-2056) (-)



#45

1,1,2-Trichloroethane

Concen: 1.048 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.14 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Tgt Ion: 97 Resp: 1958

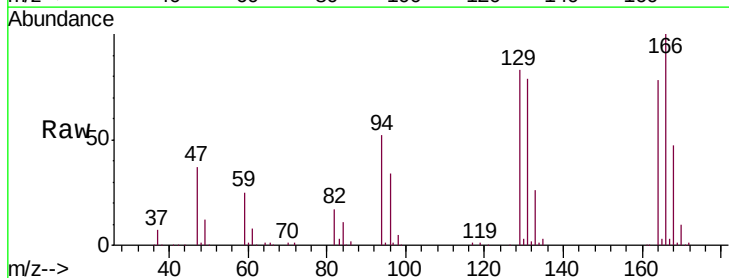
Ion Ratio Lower Upper

97 100

99 18.5 43.6 81.0#

83 283.3 62.7 116.5#

85 36.2 40.3 74.9#

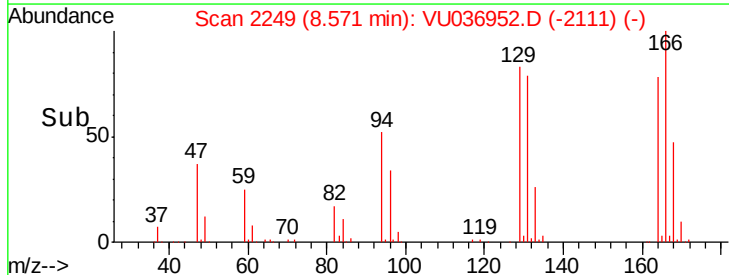
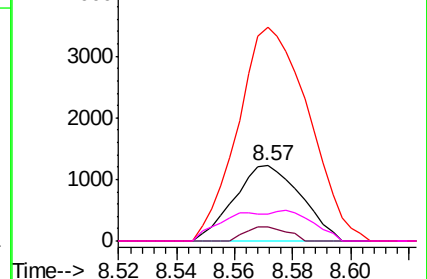


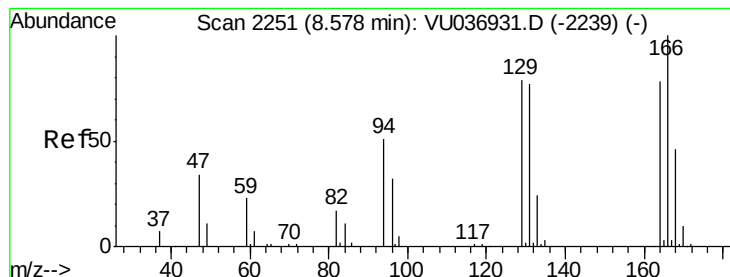
Abundance Ion 97.00 (96.70 to 97.70): VU036931.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU036931.D (-2191) (-)

Ion 83.00 (82.70 to 83.70): VU036931.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU036931.D (-2191) (-)





#46

Tetrachloroethene

Concen: 150.386 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

GAW00ME

Tgt Ion:164 Resp: 189921

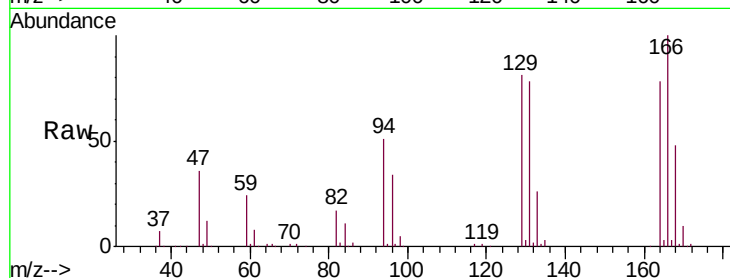
Ion Ratio Lower Upper

164 100

129 103.3 72.0 133.8

131 99.6 67.9 126.1

166 127.6 87.1 161.7

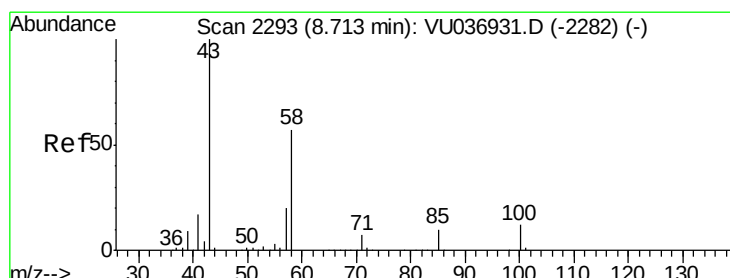
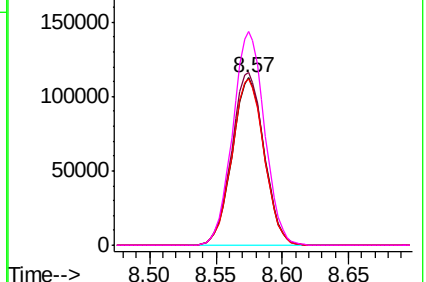
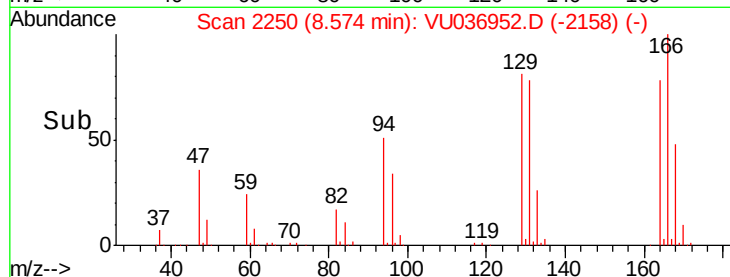


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.562 ug/L

RT: 8.67 min Scan# 2280

Delta R.T. -0.04 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Tgt Ion: 43 Resp: 13734

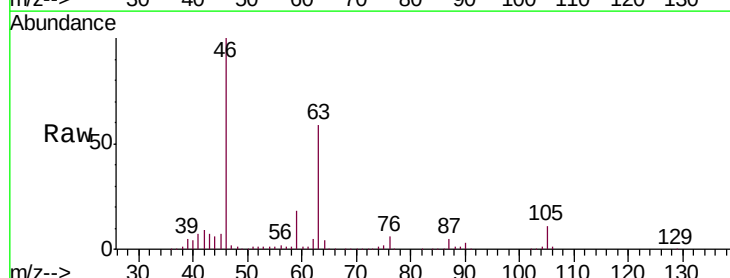
Ion Ratio Lower Upper

43 100

58 24.2 43.5 65.3#

57 22.0 15.1 22.7

100 0.0 8.7 13.1#

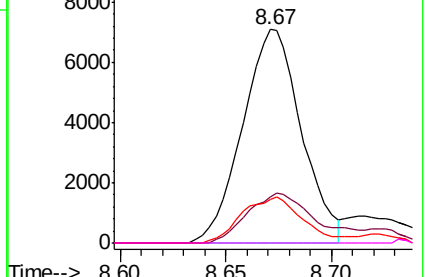
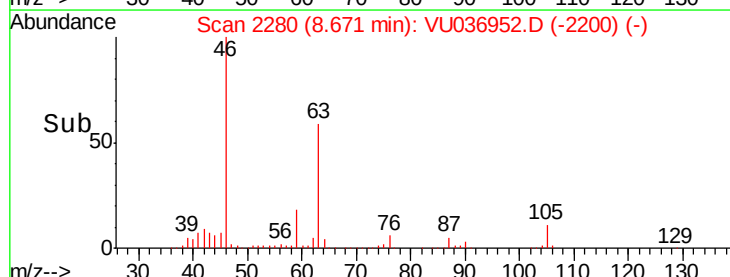


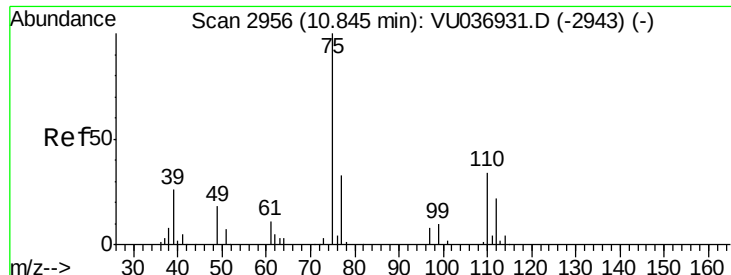
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.984 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU036952.D

Acq: 27 Feb 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

GAW00ME

Tgt Ion: 75 Resp: 16167

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2

